

--Abstract of the Disclosure

--The invention refers to a support device (6) for a spindle, which carries a centrifuge rotor of a centrifugal separator and which is provided in a frame member by the use of a bearing member to be rotatable about an axis of rotation. The support device (6) includes at least three support members (8) which are arranged to absorb relative movements between the centrifuge rotor and the frame member and each of which is provided between the bearing member and the frame member and has a longitudinal axis (s) extending outwardly with respect to the axis (x) of rotation. Each support member (8) has a helical spring element (10), having a wire extending in an essentially helical path in such a manner that a space is formed between adjacent rounds of the wire. In order to increase the stiffness of the support members (8) and to provide a dampening of the relative movements, each support member (8) includes a rubber material (12) provided at least in the spaces.--